

## INTERFERENCE DIGEST

Interference No. 105,587

Paper No.

Name: David J. Leidel et al.

Serial No.: 10/080,785

Patent No.

Title: High performance powdered metal mixtures for shaped charge liners

Filed: 02/22/02

Interference with Reese et al.

### DECISION ON MOTIONS

Administrative Patent Judge, \_\_\_\_\_ Dated, \_\_\_\_\_

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### FINAL DECISION

Board of Patent Appeals and Interferences, \_\_\_\_\_ Dated, \_\_\_\_\_

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Court, \_\_\_\_\_ Dated, \_\_\_\_\_

### REMARKS

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This should be placed in each application or patent involved in interference in addition to the interference letters.

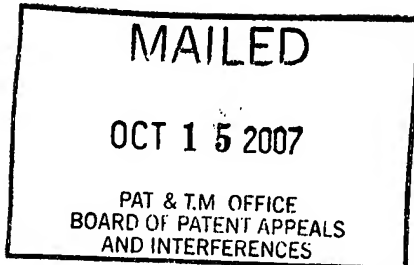


# UNITED STATES PATENT AND TRADEMARK OFFICE

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BOARD OF PATENT APPEALS AND INTERFERENCES  
BOX INTERFERENCE, WASHINGTON, D.C. 20231

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Filed by: Judge Richard E. Schafer  
Telephone: 571-272-4683  
Facsimile: 571-273-0042



Applicants: LEIDEL et al.  
Application No.: 10/080,785  
Filed: 02/22/02  
For: High performance powdered metal mixtures for  
shaped charge liners

The above-identified application or patent has been forwarded to the Board of Patent Appeals and Interferences because it is adjudged to interfere with another application or patent. An interference has been declared. The interference is designated as No. 105,587.

Notice is hereby given the parties of the requirement of the law for filing in the Patent and Trademark Office a copy of any agreement "in connection with or in contemplation of the termination of the interference." 35 U.S.C. § 135(c).

/Richard E. Schafer/  
RICHARD E. SCHAFER  
Administrative Patent Judge

Mail Stop Interference  
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Filed 15 October 2007

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE BOARD OF PATENT APPEALS  
AND INTERFERENCES

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**Halliburton Energy Services, Inc.,**  
Junior Party  
(Application 10/080,785,  
Inventors: David J. **Leidel** and  
James Phillip Lawson),

v.

**Baker Hughes, Inc.,**  
Senior Party  
(Patent 6,564,718  
Inventors: James W. **Reese**, Steve Henderson,  
William Harvey and Terry Slagle).

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Patent Interference 105,587 (RES)  
(Technology Center 1700)

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**DECLARATION - Bd.R. 203(b)**

1           **Part A. Declaration of interference**

2           An interference is declared (35 U.S.C. § 135(a)) between the  
3           above-identified parties. Details of the application(s), patent (if any),  
4           reissue application (if any), count and claims designated as corresponding  
5           or as not corresponding to the count appear in Parts E and F of this  
6           DECLARATION.

7           **Part B. Judge managing the interference**

8           Administrative Patent Judge Richard E. Schafer has been  
9           designated to manage the interference. 37 CFR § 41.104(a).

10          **Part C. Standing order**

11          A Trial Section STANDING ORDER [SO] (Paper 2) accompanies  
12          this DECLARATION. The STANDING ORDER applies to this  
13          interference.

14          **Part D. Initial conference call**

15          A telephone conference call to discuss the interference is set for  
16          **4:00 p.m. on December 6, 2007** (the Board will initiate the call).

17          No later than **two business days** prior to the conference call, each  
18          party shall file and serve (SO ¶¶ 10.1 & 105) a list of the motions  
19          (37 CFR § 41.120 & 204; SO ¶¶ 104.2.1, 120 & 204) the party intends to  
20          file.

21          A time periods for taking action during the motions phase are set in  
22          an order accompanying this declaration.

1     **Part E. Identification and order of the parties**

2     **Junior Party**

3     Assignee: Halliburton Energy Services, Inc.

4     Involved Application: 10/080,785 filed February 22, 2002

5     Named inventors: David J. Leidel and James Phillip Lawson

6     Title: High Performance Powdered Metal Mixtures for Shaped Charge Liners

7     **Senior Party**

8     Assignee: Baker Hughes, Inc.

9     Involved Patent: 6,564,718 (based upon Application 09/860,116 filed  
10                             May 17, 2001)

11  
12     Named Inventors: James W. Reese, Steve Henderson, William Harvey,  
13                             and Terry Slagle

14     Title: Lead Free Liner Composition for Shaped Charges

15     The senior party is assigned exhibit numbers 1001-1999. The junior  
16     party is assigned exhibit numbers 2001-2999. 37 CFR § 41.154(c)(1);  
17     SO ¶ 154.2.1. The senior party is responsible for initiating settlement  
18     discussions. SO ¶ 126.1.

19     **Part F. Count and claims of the parties**

20                             Count 1

21             Claim 9 of U.S. patent 6,564,718.

22  
23     A copy of Claim 9 follows:

24             9. A shaped charge comprising: a housing; a quantity of  
25             explosive inserted into said housing; and a liner inserted into  
26             said housing so that said quantity of explosive is positioned  
27             between said liner and said housing, said liner formed from a  
28             mixture of powdered tungsten and powdered metal binder,  
29             wherein said powdered heavy metal comprises from 90 percent

1 by weight of said mixture to 97 percent by weight of said  
2 mixture, and wherein said powdered metal binder comprises  
3 from 10 percent by weight of said mixture to 3 percent by  
4 weight of said mixture, said mixture compressively formed  
5 into a liner body shape by cold working under sufficient  
6 pressure to  
7 cause powders to behave substantially as a solid mass.

8 The claims of the parties are:

9 **Halliburton Energy Services, Inc.**

10 Application 10/080,785:

11 Claims: 1-5, 7-12, 14-25, 29-41, 45-60  
12

13 **Baker Hughes, Inc**

14 Patent 6,564,718:

15 Claims: 1-22

16 The claims of the parties that correspond to Count 1 are:

17 **Halliburton Energy Services, Inc.**

18 Application 10/080,785:

19 Claims: 1-5, 7-12, 14-25, 29-41, 45-60  
20

21 **Baker Hughes, Inc**

22 Patent 6,564,718:

23 Claims: 1-22  
24

25 The claims of the parties that do not correspond to Count 1 and  
26 therefore are not involved in the interference are:

27 **Halliburton Energy Services, Inc.**

28 Application 10/080,785: None

29 **Baker Hughes, Inc.**

30 Patent 6,564,718: None  
31

32 The parties are accorded the following benefit for Count 1:

33 **Halliburton Energy Services, Inc.**

34 None

1                   **Baker Hughes, Inc.**

2                   Application 60/206,098 filed May 20, 2000

3           **Part G. Heading to be used on papers**

4           The following heading must be used on all papers filed in this interference, see SO ¶ 106.1.1:

Paper Leave blank

Filed on behalf of: *Party @.*

By: *Counsel Name(s) @*

*Address @*

*(@@@) @@@- @@@@ (telephone)*

*(@@@) @@@- @@@@ (facsimile)*

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE BOARD OF PATENT APPEALS  
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Patent Interference 105,587 (RES)  
(Technology Center 1700)

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## Part H. Order form for requesting file copies

When requesting copies of files, use of SO Form 4 will greatly expedite processing of the request. Please attach a copy of Parts E and F of this DECLARATION with a hand-drawn circle around the patents and applications for which a copy of a file wrapper is requested.

/Richard E. Schafer/  
Administrative Patent Judge

Enc:

Copy of STANDING ORDER  
Copy U.S. Patent 6,564,718  
Copy of claims of Application 10/080,785

Revised 3 January 2006

cc (via overnight delivery):

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